

December, 1964.

STAT

COMPARISON ENLARGEMENTS

This binder contains enlargements made at 10X on the 10-20-40 enlarger and at 4X on the coherent enlarger.

Each sheet is readily removable for examination on a light table.

DECLASS REVIEW by NIMA/DOD

ENCLOSURE No. 1

The accompanying book (Attachment 1A) contains 4X enlargements of aerial photographs made on the Coherent Enlarger and comparative 10X enlargements made on the 10-20-40X enlarger.

Our evaluation is summarized as follows:

Scene	Enlarger	Resolution	Resolution	No. of Extra Groups Resolved on Coherent
1	Coherent	0	7	
	10-20-40X	0	6	1/2
	(O.N.)	0	9	
2	Coherent	4	8	
	10-20-40X	3	6	1-1/2
	(O.N.)	4	8	
3	Coherent	2	6	
	10-20-40X	2	4	1
	(O.N.)	2	6	

Average No. of Extra Groups Resolved on Coherent. 1

Percentage Improvement Obtained with Coherent Enlarger. 12%

In addition, there are aerial scenes enlarged on each instrument for comparison.

1-A

SCENE WITH THREE BAR TARGETS
MADE @ 10X ON 10-20-40

1-B
SCENE WITH THREE BAR TARGETS
MADE @ 4X ON COHERENT ENLARGER

2-A
SCENE WITH THREE BAR TARGETS
MADE @ IOX ON 10-20-40

2-B

SCENE WITH THREE BAR TARGETS
MADE @ 4X ON COHERENT ENLARGER

3-A
SCENE WITH THREE BAR TARGETS
MADE @ 10X ON 10-20-40

3-B

SCENE WITH THREE BAR TARGETS
MADE @ 4X ON COHERENT ENLARGER

4-A

ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 10X ON 10-20-40

4-B
ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 4X ON COHERENT ENLARGER

5-A
ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 10X ON 10-20-40

5-B
ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 4X ON COHERENT ENLARGER

1022

1022

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ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 10X ON 10-20-40

NOTE: The subject material at the
center of this photograph is not
identical to that for photograph 6B.
Use caution in making comparison.

6-B

Approved For Release 2003/08/05 : CIA-RDP78B04747A002200040001-3
ENLARGEMENT
MADE @ 4X ON COHERENT ENLARGER

NOTE: The subject material at the center of this photograph is not identical to that for photograph 6A. Use caution in making comparison.

7-A

ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 10X ON 10-20-40
(EXPOSED EMULSION DOWN)

7-B

ENLARGEMENT OF AERIAL PHOTOGRAPH
MADE @ 4X ON COHERENT ENLARGER

THIS BOOK CONTAINS
PHOTOGRAPHS OF THE

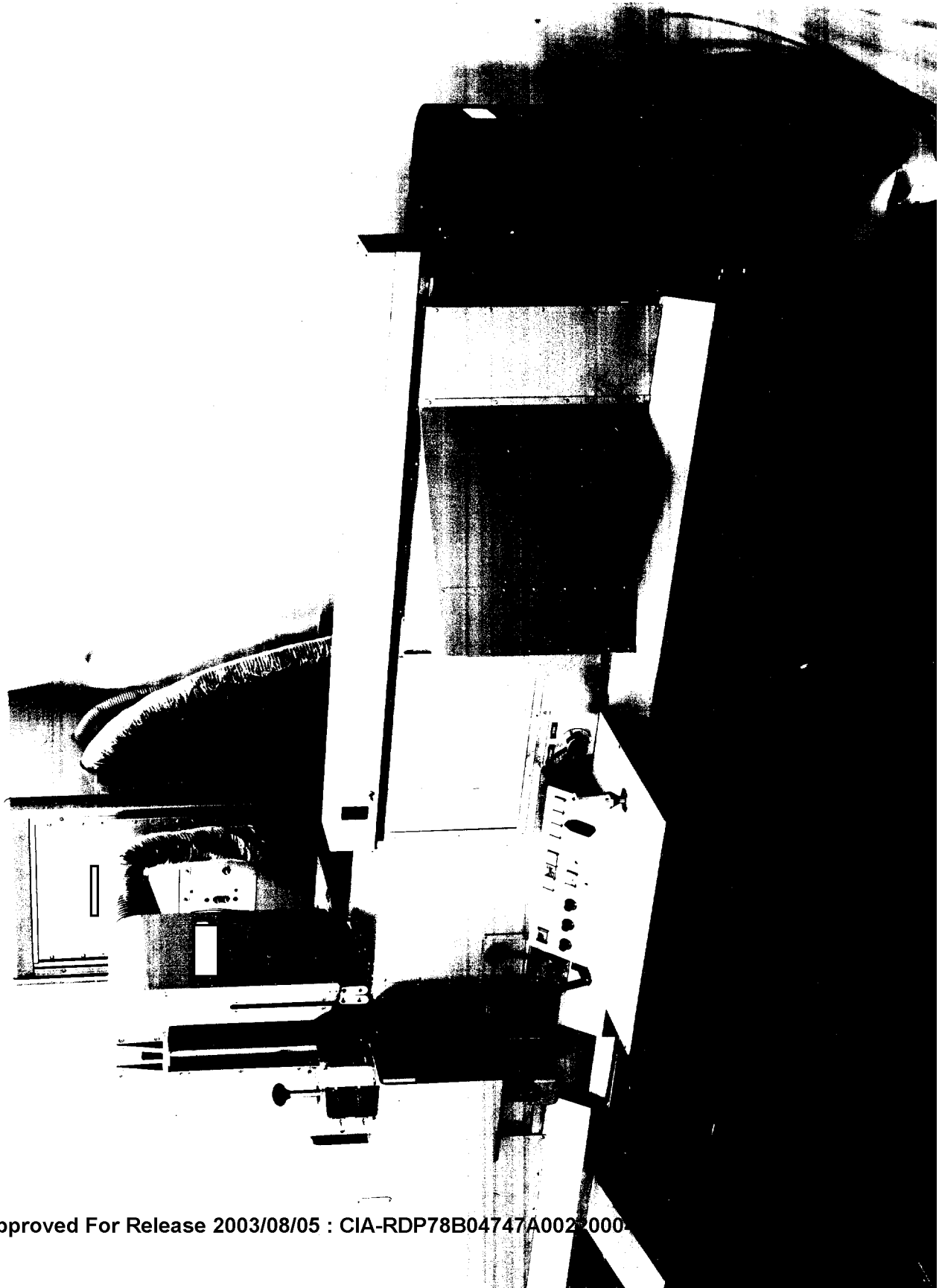
COHERENT ENLARGER

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